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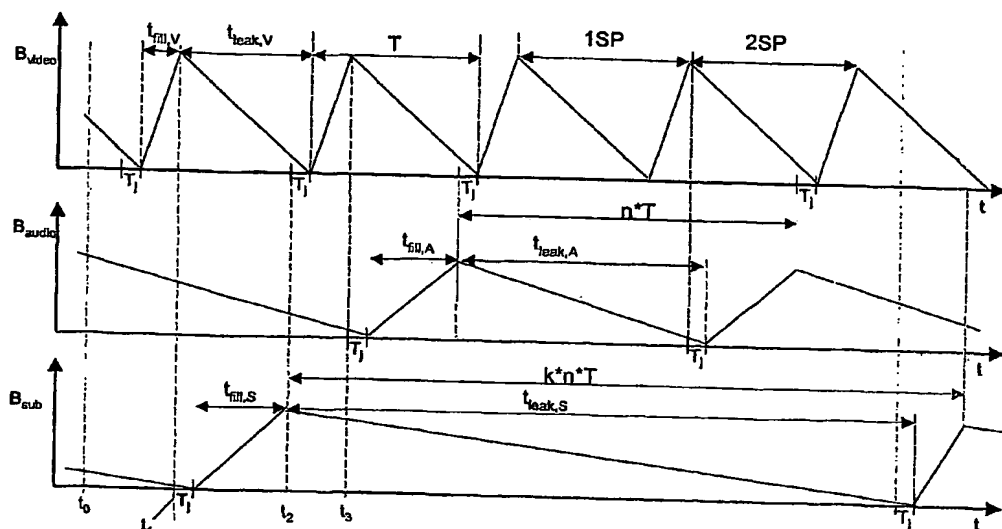
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(54) Title: METHOD FOR CONTROLLING AN OPTICAL PICK-UP FOR READING DATA STREAMS FOR SIMULTANEOUS REPRODUCTION



(57) Abstract: Optical discs may support "Out Of Multiplex" formats, meaning that different presentation components, like video, audio and subtitles, are stored on different files on the disc, e.g. Blu-ray discs. The different data streams are read by a single pick-up, requiring frequent pick-up jumps and extensive data buffering. The method for operating a scheduler for an optical pick-up reduces the number of pick-up jumps while optimizing the required buffer space. The scheduler is based on a static schema, meaning that the buffers for the lower rated streams (B_{audio} , B_{sub}) are dimensioned such that they can be refilled in short periods (T), while the period (T). Deviations from the static schema may be allowed, e.g. due to multi-angle video technique. Afterwards the scheduler returns to the original schedule.

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